

PBS RL-0030: Soil and Water Remediation, Groundwater/Vadose Zone

B. H. Ford, Director



*Inside of drilling enclosure
at the 216-A-4 Crib*

Overview

This section addresses Project Baseline Summary (PBS) RL-0030, *Soil and Water Remediation, Groundwater/Vadose Zone*.

NOTE: Unless otherwise noted, all information contained herein is as of the end of October 2006.

Notable Accomplishments

- **Drilling**
 - Three deep wells supporting characterization and long-term monitoring and remediation of carbon tetrachloride in the 200 West Area are in final completion (200-ZP-1 Operable Unit).
 - One new well supporting the investigation of uranium and technetium-99 contamination to the north of the 200 East Area was started.
 - New well will provide information useful for groundwater remediation and understanding the source of the contamination which is coming from an area that includes soil disposal sites and underground waste storage tanks.
- **River Corridor**
 - Second test injection of apatite into the aquifer at N Area to remediate Strontium-90 completed. Initial results very positive.
 - K West Pump and Treat is moving steadily forward to meet its December milestone.
 - Treatment skid was placed in the building, and lines have been laid to most of the wells.
- **Integration**
 - High Resolution Resistivity (HRR) is ongoing at the B-BX-BY area as an integrated contract between Groundwater Remediation and Tank Farms.
 - Five Integrated Project Teams formed, made up of representatives from both DOE Field offices and contractors, to provide guidance and integrated actions in key areas of the site where responsibilities overlap.
- **Central Plateau**
 - Characterization Sampling Analysis Plan for 216-A-4 crib approved by Environmental Protection Agency (EPA).
 - Construction of the drilling enclosure completed using lesson learned from the high-risk drilling activity completed at the 216-Z-9 crib.

FY 2007 Funds vs. Spend Forecast (\$M)

	Projected FY 2007 Funding	FY 2007 Fiscal Year Spend Forecast	Variance
Soil & Water Remediation, Groundwater/Vadose Zone	\$ 79.1	\$ 78.6	\$ 0.5

FY 2007 Schedule/Cost Performance (\$M)

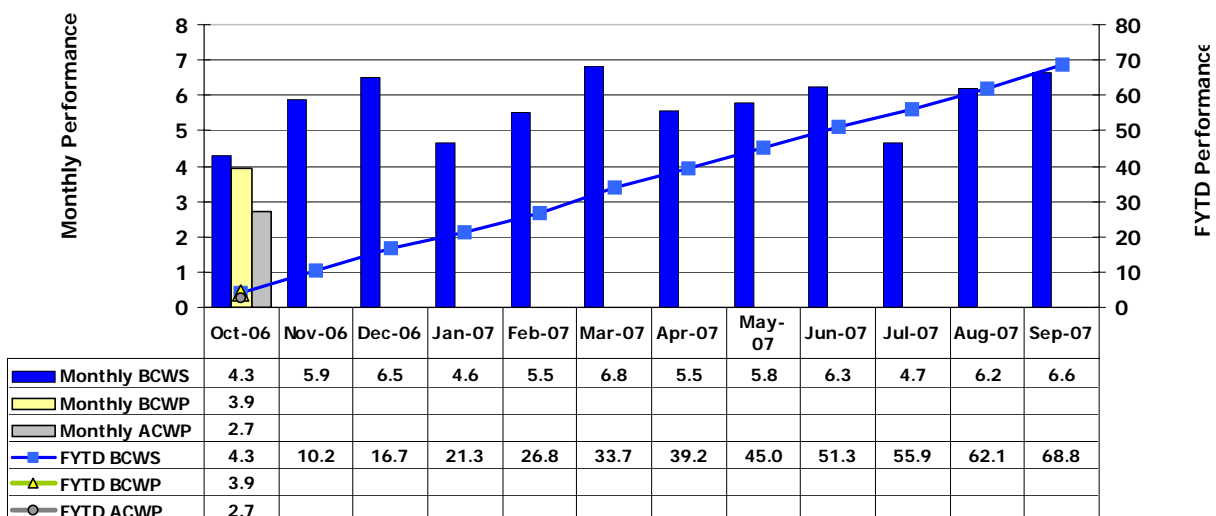
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
Soil & Water Remediation, Groundwater/ Vadose Zone	\$4.3	\$3.9	\$2.7	-\$0.4	-8.9%	\$1.2	30.8%	\$68.8

Numbers are rounded to the nearest \$0.1M and include the Closure Services allocation.

Schedule Performance (-\$0.4M/-8.9%). Variance within threshold; no explanation required.

Cost Performance (\$1.2M/30.7%). The majority of this variance is due to work not accrued as of month end.

Performance Analysis FYTD and Monthly (\$M)



Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-30						
M-013-06B	Submit the 200-BP-5 OU RI/FS Work Plan to EPA	TPA	3/31/2007			
M-016-14A	Complete Construction of a 300 foot Permeable Reactive Barrier Utilizing Apatite Sequestration at 100-N	TPA	04/31/2007		12/30/2006	
M-015-48B	Submit the 200-ZP-1 OU Feasibility Study Report / Proposed Plan to EPA	TPA	9/30/2007			
M-013-10A	Submit the 200-PO-1 OU Remedial Investigation/Feasibility Study to Ecology	TPA	9/30/2007			
M-024-57M	Install a Cumulative of 60 Wells	TPA	12/31/2006			
M-015-50	Submit a Treatability Work Plan for Deep Vadose Zone Technetium and Uranium to Ecology and EPA	TPA	12/31/2007			

Milestone Achievement, continued

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
RL-40						
M-013-51	Submit and Addendum to the 200-TW-1/2 PW-5 OU RI/FS Work Plan to EPA	TPA	12/31/2006			
M-013-50	Submit one Work Plan for all Supplemental Characterization required for 200 Area OUs to Ecology and EPA	TPA	3/31/2007			
M-013-27	Submit a Revised RI/FS Work Plan for 200-IS-1 and 200-ST-1 OUs to Ecology	TPA	6/30/2007			
M-013-28	Submit a Revised RI/FS Work Plan for 200-SW-1 and 200-SW-2 OUs to Ecology	TPA	9/30/2007			
M-015-45B	Submit the Feasibility Study Report / Proposed Plan for 200-PW-1, 200-PW-3 & 200-PW-6 to EAP	TPA	9/30/2007			